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**From:** Labiosa, Rochelle [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DED3654216C9461D95CD5A3CEEC507EF-LABIOSA, ROCHELLE]  
**Sent:** 4/1/2016 4:47:39 PM  
**To:** Brown, Cheryl A. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd6f8a562924439aaf97ca98ddaf1e10-Brown, Cheryl]; Cora, Lori [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c8850941bf1540c796559dce75c2f5ee-Cora, Lori]; Cox, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cddd6a5bb3c2477183799ef56cdb464f-Cox, Michael]; Cope, Ben [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=497efadd936e4d378225116b8f50fd3f-Cope, Ben]; Fullagar, Jill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7ba061353c314b40a14a8be1ee382ae3-Gable, Jill]  
**Subject:** Re: Nearshore aragonite saturation data

Marty checked Bednarsek points against nm as well as miles just to be sure just FYI....they were still out but smaller margin

Rochelle Labiosa, Ph.D.

Office of Water and Watersheds

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**From:** Brown, Cheryl A.  
**Sent:** Friday, April 1, 2016 9:24 AM  
**To:** Cora, Lori; Labiosa, Rochelle; Cox, Michael; Cope, Ben; Fullagar, Jill  
**Subject:** RE: Nearshore aragonite saturation data

Hmm, I reviewed Oregon's water quality standards and they define marine waters as follows:

(34) "Marine Waters" means all oceanic, offshore waters outside of estuaries or bays and within the territorial limits of the State of Oregon.

(Source: [http://arcweb.sos.state.or.us/pages/rules/oars\\_300/oar\\_340/340\\_041.html](http://arcweb.sos.state.or.us/pages/rules/oars_300/oar_340/340_041.html))

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Oregon Secretary of State Archives Division

[arcweb.sos.state.or.us](http://arcweb.sos.state.or.us)

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department of environmental quality . water pollution. division 41. water quality standards: beneficial uses, policies, and criteria for oregon. 340-041-0001

“territorial limits of the State of Oregon” is consistent with the Territorial Sea Plan document (see below).

It seems like Oregon might consider state waters out 3 nm (or 6076 feet).

I'll have the distance from the shore calculated in both nm and statute miles.

Hopefully, determination of within or outside state waters will be clear for these points, regardless of whether statute or nm are used.

Be in touch shortly.

Cheryl

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**From:** Brown, Cheryl A.

**Sent:** Friday, April 01, 2016 9:13 AM

**To:** Cora, Lori <Cora.Lori@epa.gov>; Labiosa, Rochelle <labiosa.rochelle@epa.gov>; Cox, Michael <Cox.Michael@epa.gov>; Cope, Ben <Cope.Ben@epa.gov>; Fullagar, Jill <Fullagar.Jill@epa.gov>

**Subject:** RE: Nearshore aragonite saturation data

Hmm, I got nautical miles from this document (see Fig 2 and associated text)

<http://www.dfw.state.or.us/mrp/nearshore/docs/strategy/AppendixA.pdf>

It wasn't relevant to CWA/DEQ but ODFW. I assumed state waters for one Oregon agency was the same as for another, maybe a poor assumption.

Cheryl

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**From:** Cora, Lori

**Sent:** Friday, April 01, 2016 9:10 AM

**To:** Brown, Cheryl A. <Brown.Cheryl@epa.gov>; Labiosa, Rochelle <labiosa.rochelle@epa.gov>; Cox, Michael <Cox.Michael@epa.gov>; Cope, Ben <Cope.Ben@epa.gov>; Fullagar, Jill <Fullagar.Jill@epa.gov>

**Subject:** RE: Nearshore aragonite saturation data

The Clean Water Act does not use the word nautical miles in the definition of “territorial seas”, but rather only miles.

(8) The term “territorial seas” means the belt of the seas measured from the line of ordinary low water along that portion of the coast which is in direct contact with the open sea and the line marking the seaward limit of inland waters, and extending seaward a distance of three miles.

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**From:** Brown, Cheryl A.

**Sent:** Friday, April 01, 2016 8:40 AM

**To:** Labiosa, Rochelle <[labiosa.rochelle@epa.gov](mailto:labiosa.rochelle@epa.gov)>; Cox, Michael <[Cox.Michael@epa.gov](mailto:Cox.Michael@epa.gov)>; Cope, Ben <[Cope.Ben@epa.gov](mailto:Cope.Ben@epa.gov)>; Cora, Lori <[Cora.Lori@epa.gov](mailto:Cora.Lori@epa.gov)>; Fullagar, Jill <[Fullagar.Jill@epa.gov](mailto:Fullagar.Jill@epa.gov)>

**Subject:** RE: Nearshore aragonite saturation data

I am going to have someone calculate the distance from the shore for each data point.

I just want to confirm that state waters extends from MLLW out 3 nautical miles, correct?

Thanks.

Cheryl

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**From:** Labiosa, Rochelle

**Sent:** Thursday, March 31, 2016 4:01 PM

**To:** Brown, Cheryl A. <[Brown.Cheryl@epa.gov](mailto:Brown.Cheryl@epa.gov)>; Cox, Michael <[Cox.Michael@epa.gov](mailto:Cox.Michael@epa.gov)>; Cope, Ben <[Cope.Ben@epa.gov](mailto:Cope.Ben@epa.gov)>; Cora, Lori <[Cora.Lori@epa.gov](mailto:Cora.Lori@epa.gov)>; Fullagar, Jill <[Fullagar.Jill@epa.gov](mailto:Fullagar.Jill@epa.gov)>

**Subject:** RE: Nearshore aragonite saturation data

we have the sst map that shows even colder water inshore of the Bednarsek data, and would be great to have the saturation data and plot on the overlay.

Rochelle Labiosa, Ph.D.

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**From:** Brown, Cheryl A.

**Sent:** Wednesday, March 30, 2016 1:58 PM

**To:** Cox, Michael <[Cox.Michael@epa.gov](mailto:Cox.Michael@epa.gov)>; Cope, Ben <[Cope.Ben@epa.gov](mailto:Cope.Ben@epa.gov)>; Labiosa, Rochelle <[labiosa.rochelle@epa.gov](mailto:labiosa.rochelle@epa.gov)>; Cora, Lori <[Cora.Lori@epa.gov](mailto:Cora.Lori@epa.gov)>; Fullagar, Jill <[Fullagar.Jill@epa.gov](mailto:Fullagar.Jill@epa.gov)>

**Subject:** Nearshore aragonite saturation data

Hi All-

Do you think it would be useful to have nearshore aragonite saturation data from Oregon State Waters for the issue paper?

I believe Francis Chan (Oregon State University) has some mooring data available from near the coast.

If this would be useful, I can contact Francis and request some of their data.

Let me know,

Cheryl